STIC Search Report
EIC 2100

STIC Database Tracking Number: 169068

TO: Neveen Abel-Jalil
Location: RND-3A20

Art Unit: 2165
Monday, July 03, 2006
Case Serial Number: 10/047,863

From: Lance Sealey
Location: EIC 2100
RND-4B11
Phone: 571-272-8666

Lance.Sealey@uspto.gov

Search Notes

Dear Neveen,

Sorry, I could not find a satellite model with the intelligence disclosed in your application's claims.

Please feel free to call, email or visit me if you have any questions or concerns.

Lance

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Set     Items   Description
S1      73170   SATELLITE? ? OR ORBITER? ? OR ORBITOR? ? OR LEO OR ICO OR -
             MEO OR GEO OR GSO OR HEO OR MOLNIYA OR HELIOSYNCHRONOUS OR LTO
              OR HOHMANN()TRANSFER OR SUPERSYNCHRONOUS OR SUBSYNCHRONOUS
S2    1262422   SENSOR? ? OR TRANSPONDER? ? OR RECEIVER? ?
S3     127853   MODEL? ?
S4    4299932   PARAMETER? ? OR VARIABLE? ? OR PARAMETRE? ? OR DATA OR INF-
            ORMATION OR INPUT
S5    1700653   IMPORTAN?? OR REQUIR???? OR REQUEST??? OR ESSENTIAL? ? OR -
            NECESS?????
S6    1364858   EVALUAT??? OR DETERMIN????? OR RANK??? OR DECID??? OR DECI-
            S???
S7       1289   LINEAR()REGRESSION OR (BEST OR OPTIM??)()FIT
S8     368296   DERIVATIVE OR DIFFERENTIATION
S9      55569   CONSTRAINT? ? OR LIMITATION? ? OR (INCOMPLETE OR PARTIAL OR
             MISSING OR INSUFFICIENT OR IMPERFECT OR INADEQUATE)(3N)S4
S10   2916896   FEEDBACK OR FEED()BACK OR GUIDANCE OR SUPERVISION OR DIREC-
            TION OR REPRIORITI?????? OR TRAIN??? OR CORRECT???
S11     59612   (BASE OR (TRANSMISSION()RECEPTION) OR (GPS()REFERENCE))()S-
             TATION? ?
S12         0   S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9
              AND S10 AND S11
S13         1   S1 AND S3 AND S7 AND S8
S14         2   (S1 AND S7 AND S8) NOT S13
S15       184   (S1 AND S2 AND S3) NOT (S13 OR S14)
S16         5   (S1 AND S2 AND S3 AND S4 AND S5 AND S6) NOT (S13 OR S14)
S17         7   (S15 AND (S7 OR S8)) NOT (S13:S14 OR S16)
S18         0   (S15 AND S10 AND S11) NOT (S13:S14 OR S16:S17)
S19         4   (S15 AND ((DECISION()SUPPORT???) OR (LEARN??? OR PROGRESS?-
              ??))) NOT (S16:S17)
S20         7   AU=((BERGMAN L? OR BERGMAN, L?) AND (CHANG Y? OR CHANG, Y?)
              AND (LI C? OR LI, C?) AND (SMITH J? OR SMITH, J?))
S21         3   (S15 AND (IC=(G06F-007/00) OR MC=T01)) NOT (S13:S14 OR S16-
             :S17 OR S19:S20)
S22         0   (AU=(BERGMAN L? OR BERGMAN, L? OR CHANG Y? OR CHANG, Y? OR
             LI C? OR LI, C? OR SMITH J? OR SMITH, J?) AND S1 AND S2 AND S-
             3) NOT (AD=(20000119:20030119) OR AD=(20030120:20060703) OR S-
             13:S14 OR S16:S17 OR S19:S21)
? show files
File 347:JAPIO Dec 1976-2005/Dec(Updated 060404)
        (c) 2006 JPO & JAPIO
File 350:Derwent WPIX 1963-2006/UD,UM &UP=200641
        (c) 2006 The Thomson Corp.
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20/5/6 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014821931 **Image available**
WPI Acc No: 2002-642637/200269
Related WPI Acc No: 2004-387423
XRPX Acc No: N02-507968

Data transmission control apparatus for environmental information gathering system, transmits prioritized physical parameter data to base station which provides progressive feedback corresponding to subsequent processing

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: **BERGMAN L D ; CHANG Y ; LI C ; SMITH J R**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020099689	A1	20020725	US 2001263026	P	20010119	200269 B
			US 2001263039	P	20010119	
			US 200247863	A	20020116	

Priority Applications (No Type Date): US 200247863 A 20020116; US 2001263026 P 20010119; US 2001263039 P 20010119
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020099689	A1		10	G06F-007/00	Provisional application US 2001263026
					Provisional application US 2001263039

Abstract (Basic): US 20020099689 A1

NOVELTY - A progressive decision support module (204) directs a controller to obtain data defining physical parameters such as sound, temperature in an area of interest and assigns a transmission priority to the data. A transmitter (206) transmits a prioritized data to a base station (203) which provides progressive feedback to the decision module to adjust the priority corresponding to subsequent processing.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for data transmission control method.

USE - For transmission of physical parameter data such as sound, temperature, moisture, light sensed using data gathering satellite, weather station environmental satellite in distributed environmental information gathering system, for detecting environmental hazards e.g. forest fire.

ADVANTAGE - Enables decision maker to highly utilize the physical parameters by combined optimization of progressive data representation and transmission. Enables suitable selection of the physical parameters which provide most useful information with reduced measurement errors, thereby increasing accuracy.

DESCRIPTION OF DRAWING(S) - The figure shows the flow diagram illustrating the operation of decision support system.

Base station (203)
Progressive decision support module (204)
Transmitter (206)
pp; 10 DwgNo 2/4

Title Terms: DATA; TRANSMISSION; CONTROL; APPARATUS; ENVIRONMENT; INFORMATION; GATHER; SYSTEM; TRANSMIT; PHYSICAL; PARAMETER; DATA; BASE; STATION; PROGRESS; FEEDBACK; CORRESPOND; SUBSEQUENT; PROCESS
Derwent Class: T01
International Patent Class (Main): G06F-007/00
File Segment: EPI

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S1     671542   SATELLITE? ? OR ORBITER? ? OR ORBITOR? ? OR LEO OR ICO OR -
            MEO OR GEO OR GSO OR HEO OR MOLNIYA OR HELIOSYNCHRONOUS OR LTO
             OR HOHMANN()TRANSFER OR SUPERSYNCHRONOUS OR SUBSYNCHRONOUS
S2    1423152   SENSOR? ? OR TRANSPONDER? ? OR RECEIVER? ?
S3    9163253   MODEL? ?
S4   15080202   PARAMETER? ? OR VARIABLE? ? OR PARAMETRE? ? OR DATA OR INF-
           ORMATION OR INPUT
S5    7748856   IMPORTAN?? OR REQUIR???? OR REQUEST??? OR ESSENTIAL? ? OR -
           NECESS?????
S6   11720488   EVALUAT??? OR DETERMIN????? OR RANK??? OR DECID??? OR DECI-
           S???
S7     102297   LINEAR()REGRESSION OR (BEST OR OPTIM??)()FIT
S8     928834   DERIVATIVE OR DIFFERENTIATION
S9    1246459   CONSTRAINT? ? OR LIMITATION? ? OR (INCOMPLETE OR PARTIAL OR
            MISSING OR INSUFFICIENT OR IMPERFECT OR INADEQUATE)(3N)S4
S10   3670867   FEEDBACK OR FEED()BACK OR GUIDANCE OR SUPERVISION OR DIREC-
           TION OR REPRIORITI?????? OR TRAIN??? OR CORRECT???
S11     31623   (BASE OR (TRANSMISSION()RECEPTION) OR (GPS()REFERENCE))()S-
           TATION? ?
S12         0   S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9
            AND S10 AND S11
S13         1   S1 AND S3 AND S7 AND S8
S14         3   (S1 AND S7 AND S8) NOT S13
S15     13208   (S1 AND S2 AND S3) NOT (S13 OR S14)
S16      1089   (S1 AND S2 AND S3 AND S4 AND S5 AND S6) NOT (S13 OR S14)
S17        24   (S16 AND (S7 OR S8)) NOT (S13 OR S14)
S18        18   RD  (unique items)
S19         4   S16 AND S10 AND S11
S20       412   (S1 AND S2 AND S3 AND ((DECISION()SUPPORT???) OR (LEARN???
            OR PROGRESS???))) NOT (S13:S14 OR S18:S19)
S21        52   S20 AND S5 AND S6
S22        44   RD  (unique items)
S23        22   S22 AND (PY<2001 OR PD<20000119)
S24        25   AU=((BERGMAN L? OR BERGMAN, L?) AND (CHANG Y? OR CHANG, Y?)
            AND (LI C? OR LI, C?) AND (SMITH J? OR SMITH, J?))
S25        13   RD  (unique items)
S26    123969   AU=(BERGMAN L? OR BERGMAN, L? OR CHANG Y? OR CHANG, Y? OR -
           LI C? OR LI, C? OR SMITH J? OR SMITH, J?)
S27        13   (AU=(BERGMAN L? OR BERGMAN, L? OR CHANG Y? OR CHANG, Y? OR
            LI C? OR LI, C? OR SMITH J? OR SMITH, J?) AND (PY<2001 OR PD<-
            20000119) AND S1 AND S2 AND S3) NOT (S13:S14 OR S18:S19 OR S23
             OR S25)
? show files
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File  65:Inside Conferences 1993-2006/Jul 03
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